



*SLIDING DOORS*  
RALPH L. LONG CO.

3863 35<sup>th</sup> STREET  
SAN DIEGO, CALIFORNIA

## PREFACE

On the following pages of this pamphlet I am endeavoring to explain to those interested in the construction of homes, apartments, and building in general, the new R. L. Long Sliding Door.

The purpose of my invention is to provide a sliding door that . . .

Is expressly designed to fit into a 2x4" stud wall.

Will be economical enough to compare favorably in price with the conventional hinge or double-acting door.

Will eliminate the present waste of floor and wall space, and extra expense of the conventional sliding door equipment.

Will simplify the installation of sliding doors and thereby create a large demand for sliding doors.

Will enable the architect to plan a more economical and convenient home with the floor and wall space saved.

THE RALPH L. LONG COMPANY  
3863 Thirty-fifth Street  
San Diego, California.



## FOREWORD

Advantages of the R. L. LONG Sliding Door as compared to hinge and double action doors:

1. On the average sized door there is saved approximately 8 square feet of floor and wall space that cannot be used on account of the swinging of the door.

2. The R. L. LONG Sliding Door can be installed to a minimum of space from the finished floor.

There is no catching or dragging on rugs.

No scraping on the floor.

Minimum of draft under door, so simplifying the heating problem.

3. No bumping of door knobs on furniture or wall.

4. No bumping into open door in the dark.

5. No doors swinging or slamming from draft or wind.

6. Door is completely out of way and hidden when open.

7. Where doors are adjacent there is no bumping.

8. There is greater safety for the small child from doors shutting on fingers.

9. When opposite sides of door are painted in different color there is no clash in color harmony in any room.

10. Architects find the use of sliding doors enable them to arrange an average five-room house so as to save 50 to 150 square feet of floor space and still have wall space for furniture placement equal to the larger floor area.

Advantages of R. L. LONG Sliding Door as compared to present sliding door equipment:

1. The R. L. LONG Sliding Door goes into a regular four-inch wall. No double partitions needed.

2. Header which forms the track is closed tight, eliminating all down drafts.

3. No adjustments needed on this door.

4. As easy to install as an ordinary door jamb.

5. Hardware on this door cannot jump the track.

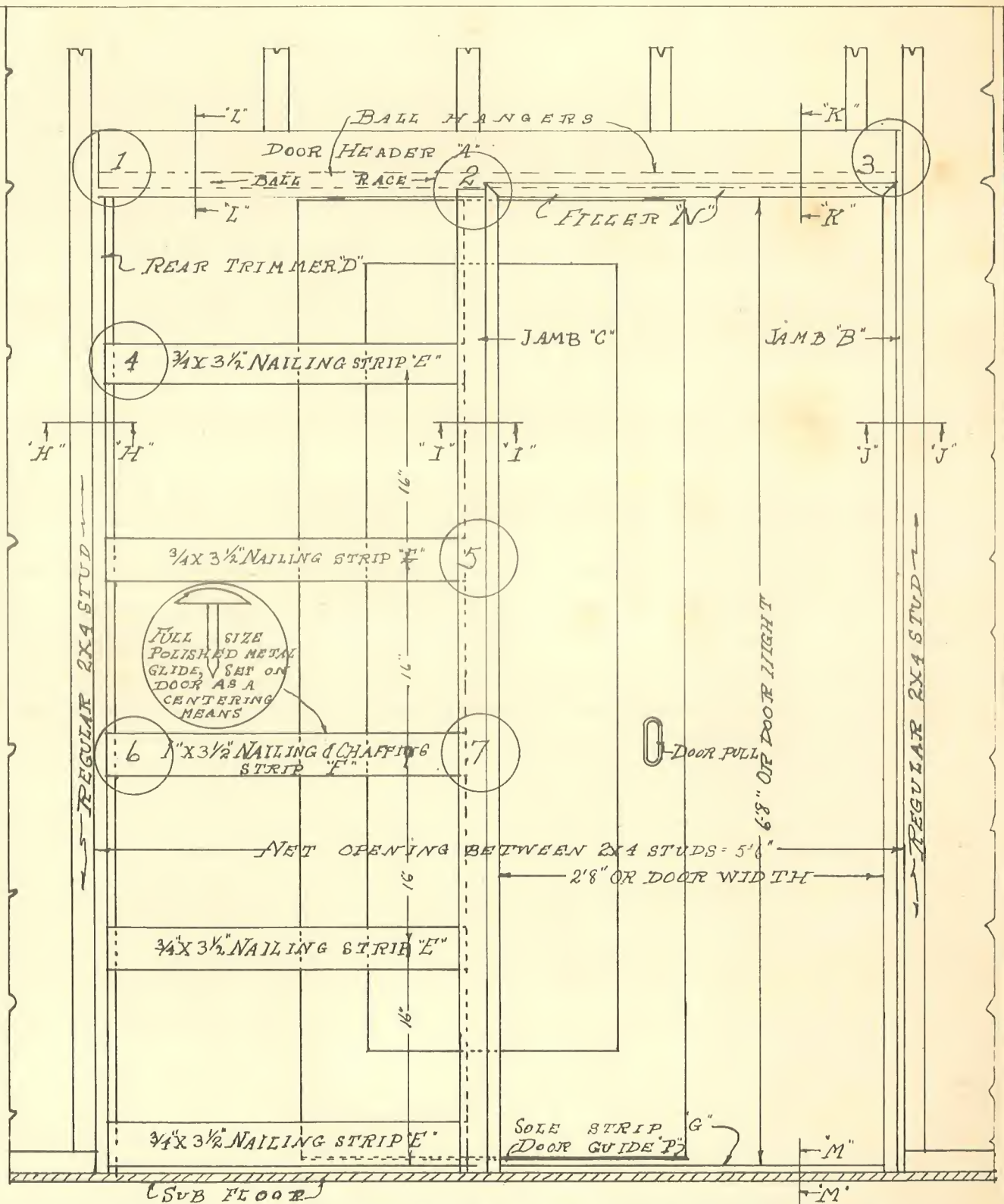
6. Extreme ease of operation.

7. Door can be taken down simply and easily.

8. Hardware for R. L. LONG Sliding Door approximates the cost of that for any average hinge or swinging door.

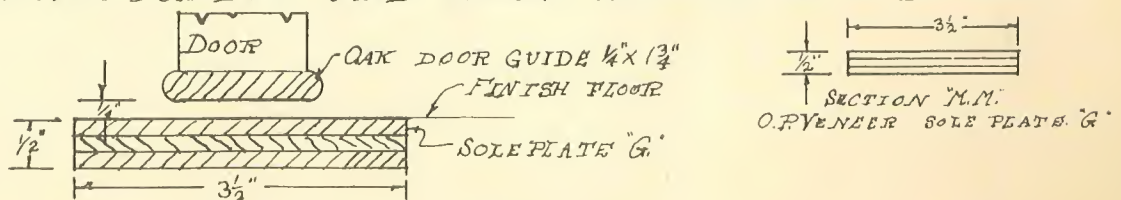






ELEVATION OF ASSEMBLED DOOR JAMB FOR 28"X68" DOOR

DETAILS FOR DOOR JAMB WHERE OPENINGS ARE TO BE CASED.



DETAILS FOR THE P.L. LONG SLIDING DOOR  
SAN DIEGO CALIF 7-19-37

WHITE

#### TESTS:

The R. L. LONG Sliding Door equipment has undergone rigid tests both in recognized laboratories and in scores of homes in different localities, both as to individual parts and the assembly, and has been found to be a practical sliding door unit for any type house, apartment, or other building where a door is used.

For the Header or Tract Test, a stock header, milled of Oregon Pine, and a door equal to double the weight of a standard door was installed, and run 100,800 cycles over a 38" run, and at the end of the test there was no perceptible wear on either the header track or the ball hanger. This test established beyond a doubt that the track and hardware will outlast any possible use of any ordinary door. A further laboratory test was made on the hardware, the large or senior sets tested to 1220 pounds each and the small or junior sets tested to 620 pounds each, which is a ratio of about 40 to 1 over the weight that the hardware is required to carry.

Reports on the above laboratory tests can be had on receipt of written request.

## SPECIFICATIONS

There are ten sheets of Detail Drawings bound in this booklet, which are self explanatory, and which if followed, should give any Architect, Millman, or Carpenter all the necessary information as to the details for milling and assembling.

The "header" or track should be milled from **Clear Vertical Grain Douglas Fir** or equivalent, and the track should be well oiled with paraffine oil or equivalent to seal the pores of the wood. The rest of the assembly shall be milled as per details and need not be treated. Jambs "B," "C" and "D" should be milled of a straight grained OAK, for best results, and all assembling should be done with wood screws.

Experience has proven that assembling should be done in the mill, as one man would soon become acquainted with the best practice of assembling and thereby reduce the cost, and at the same time assure proper assembly.

## COST

The hardware for this unit will cost approximately the same as hardware for any ordinary hinged or double-acting door. The lumber and millwork will vary slightly in the different localities, but the total cost of the unit including labor will practically parallel that of the regular hinged door as to total cost per opening.

The R. L. Long Sliding Door is built into a regular 2x4 stud wall, therefore, the wall construction remains the same, there is no other cost other than the unit, and the labor of setting the unit which can be set as quickly as any ordinary door jamb.

## SALES APPEAL

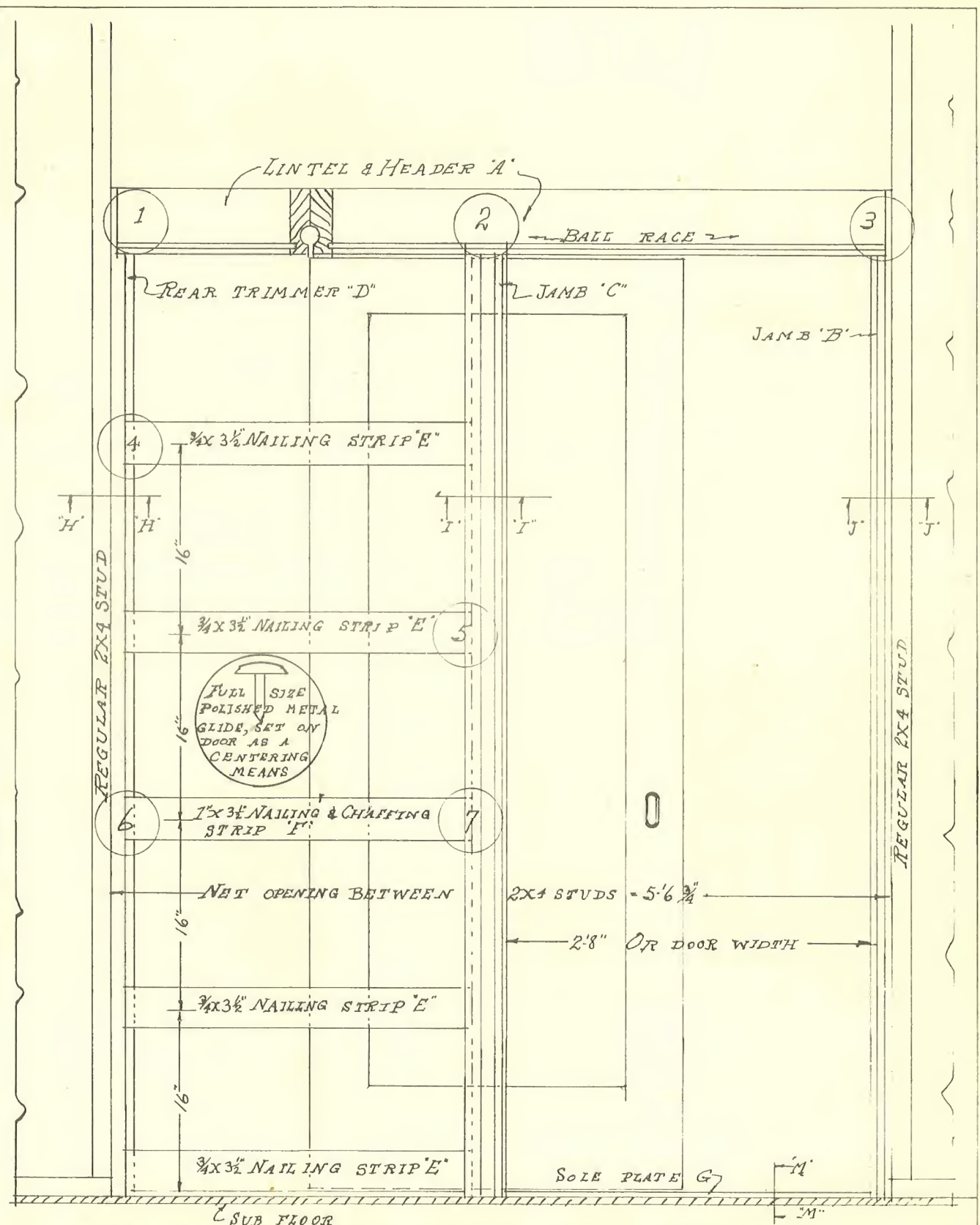
The details, illustrations, etc., of the R. L. Long Sliding Door listed in this booklet make easy the salability of this article.

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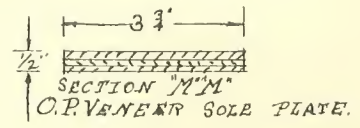


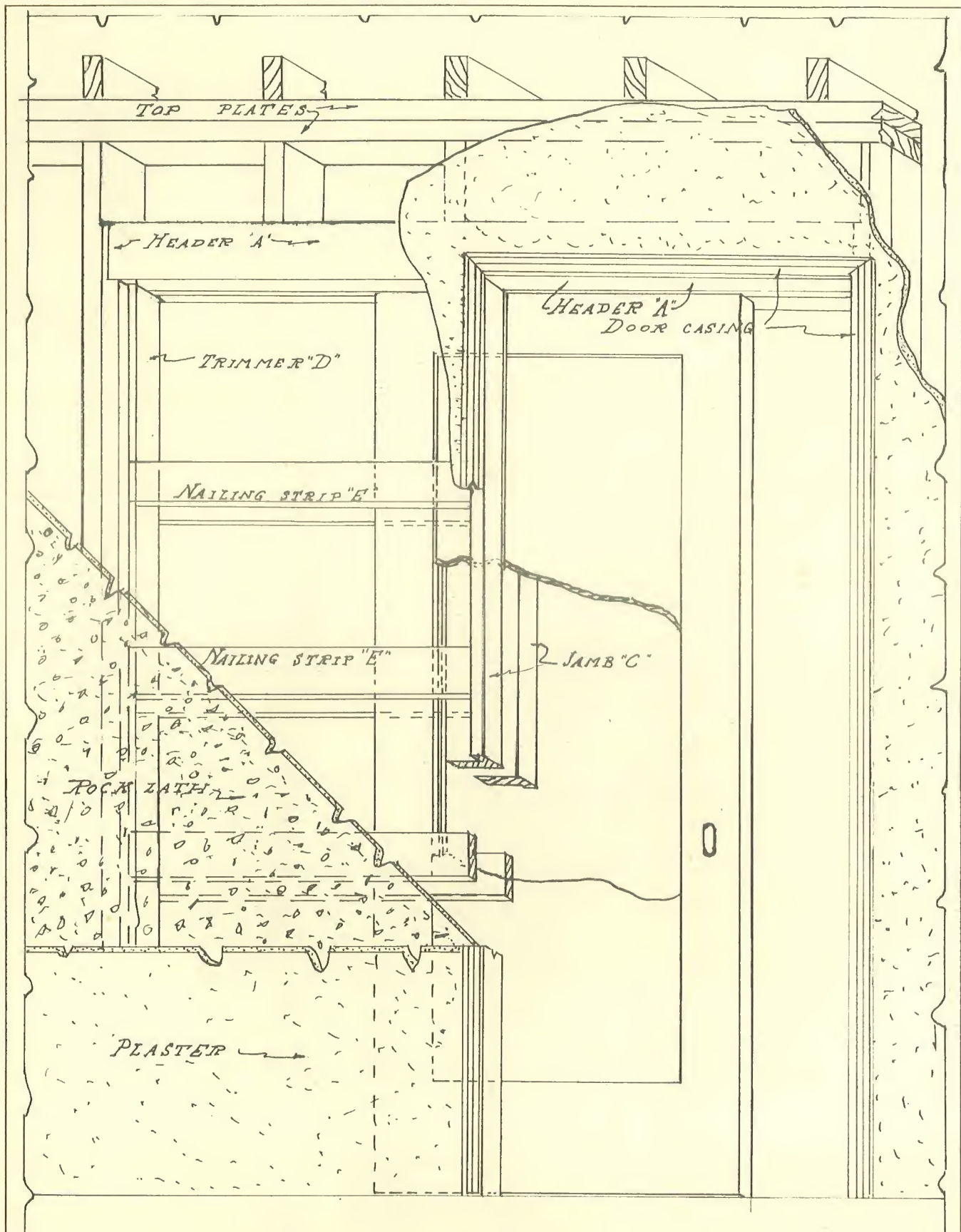






SUB FLOOR  
ELEVATION OF ASSEMBLED DOOR JAMB FOR 2'8" X 6'8" DOOR  
 DETAILS FOR DOOR JAMB FOR BULL NOSE PLASTER INTERIOR.



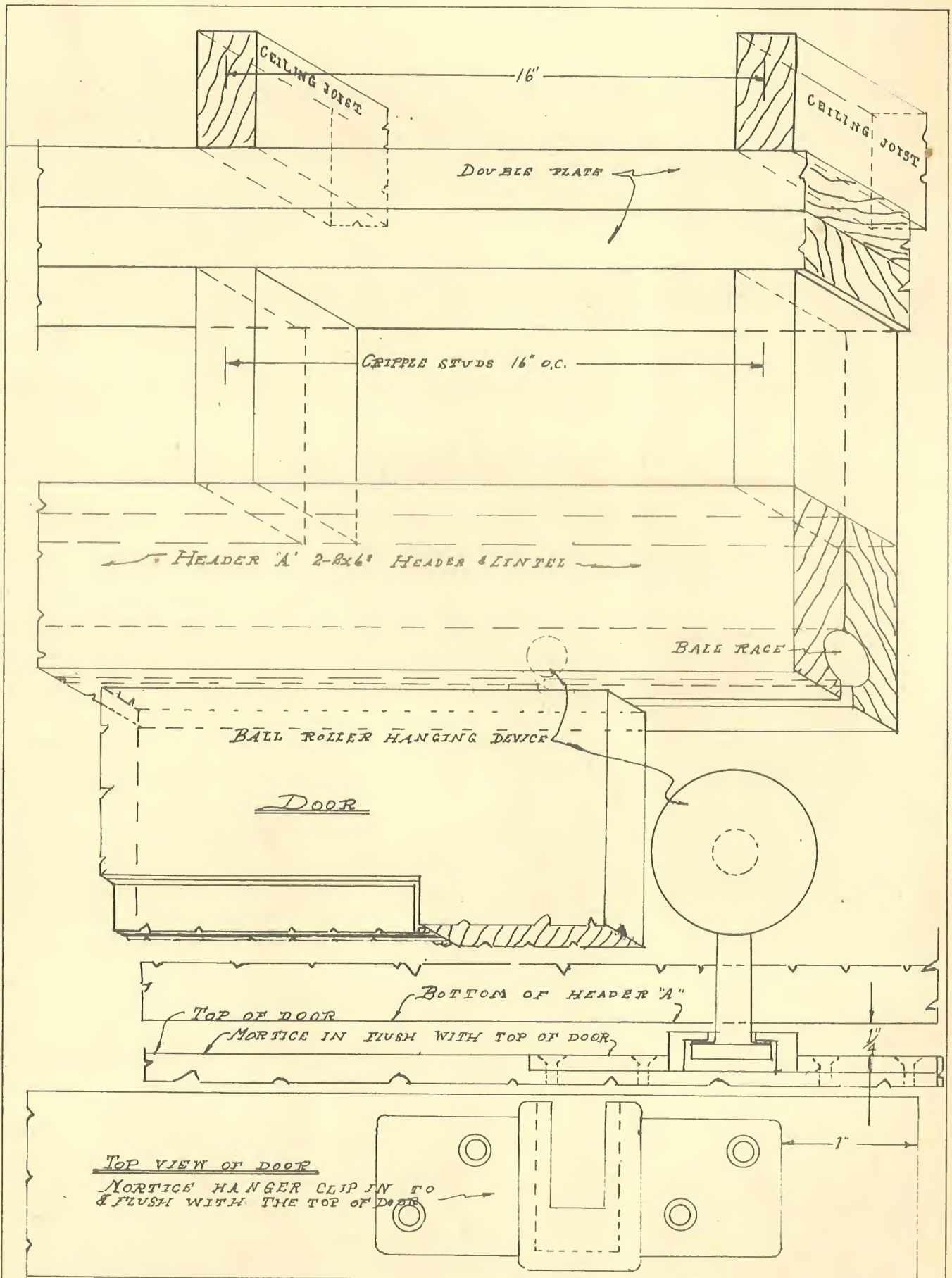


ELEVATION & CUT AWAY OF DOOR ASSEMBLY

DETAILS FOR THE R. L. LONG SLIDING DOOR  
SAN DIEGO CALIF. 7-18-39

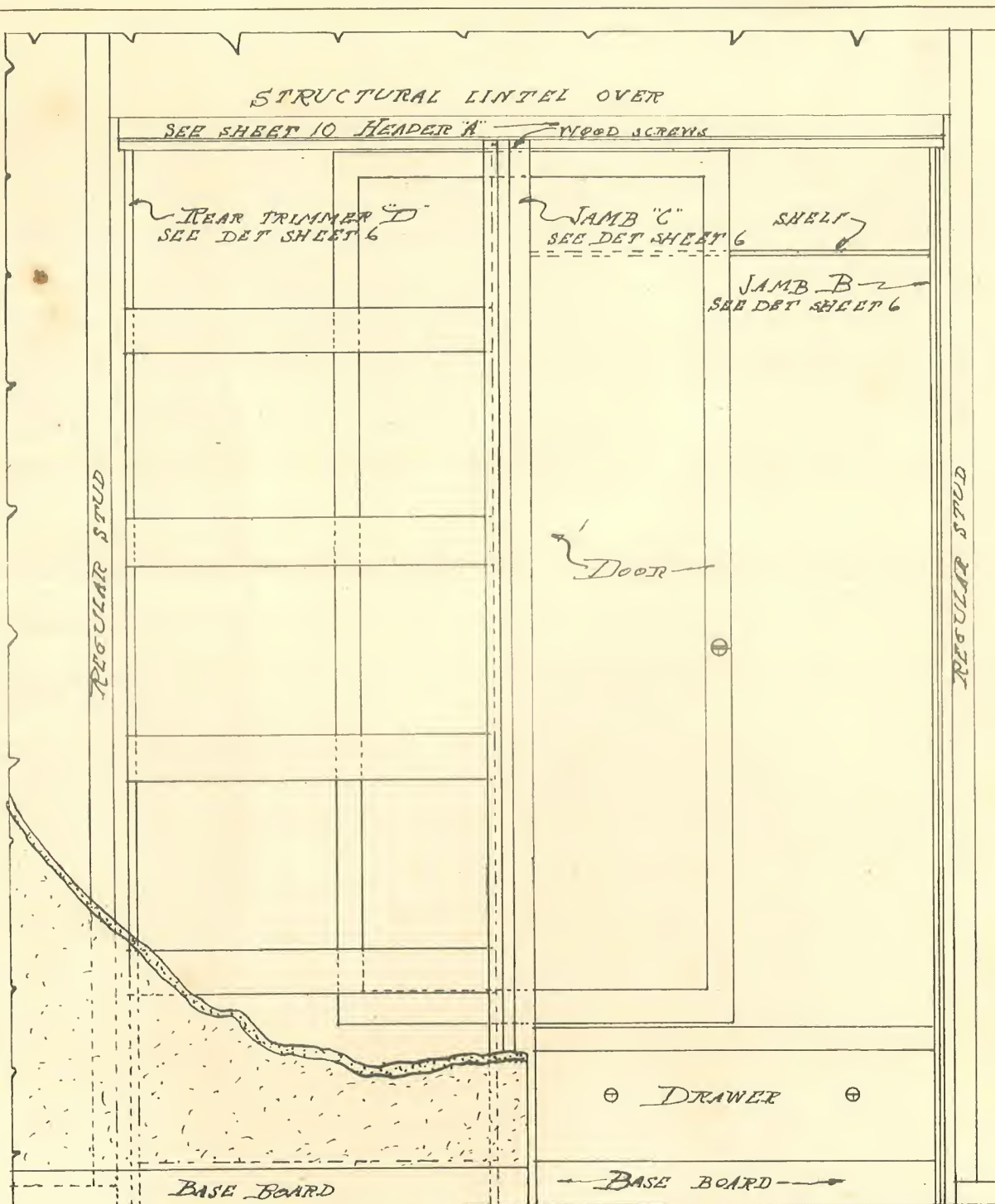
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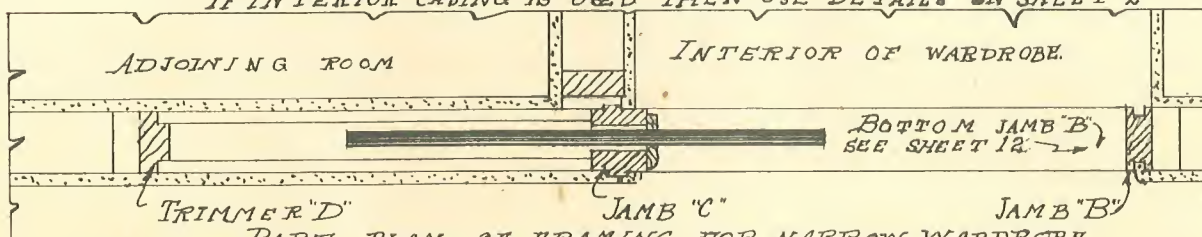


DETAILS FOR THE R. L. LONG SLIDING DOOR  
SAN DIEGO CALIF. 7-18-39

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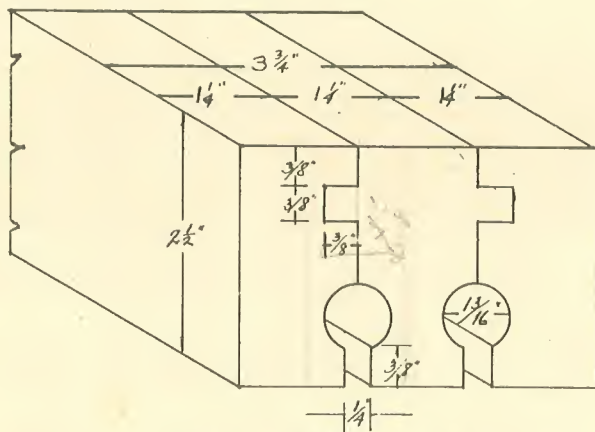


ELEVATION OF FRAMING FOR NARROW WARDROBE  
FOR JAMB & FRAMING, SEE SHEET 6  
FOR HEADER SEE SHEET 10  
IF INTERIOR CASING IS USED THEN USE DETAILS ON SHEET 2

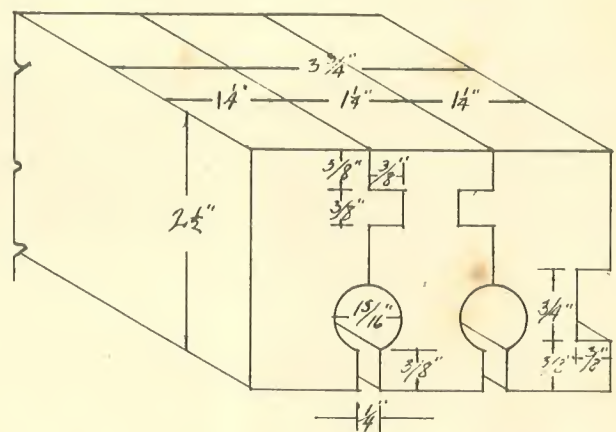


PART PLAN OF FRAMING FOR NARROW WARDROBE.  
THIS DETAIL IS FOR BULL NOSE TRIM



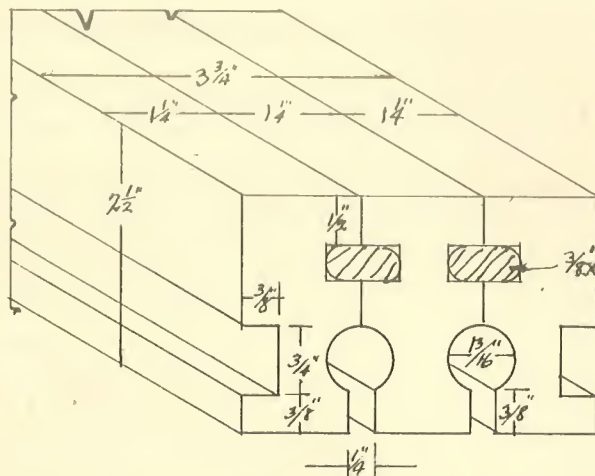


HEADER "A" FOR CABINETS  
ASSEMBLED FOR DOUBLE DOORS FOR WARDROBES, ETC.

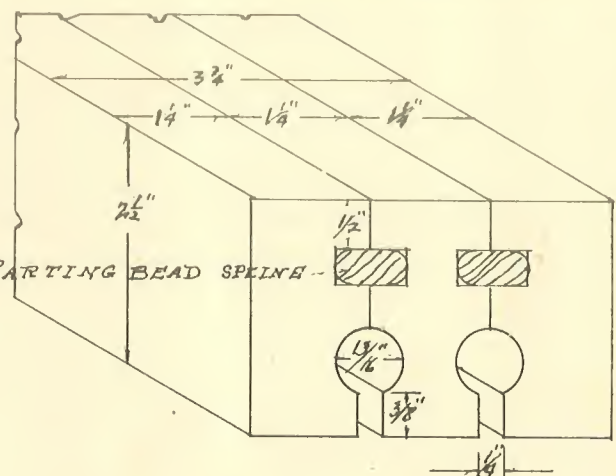


HEADER "A" FOR CABINETS  
ASSEMBLED FOR DOUBLE DOORS FOR WARDROBES, ETC.

1

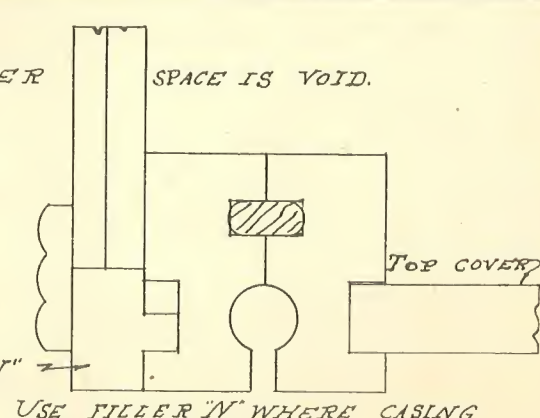
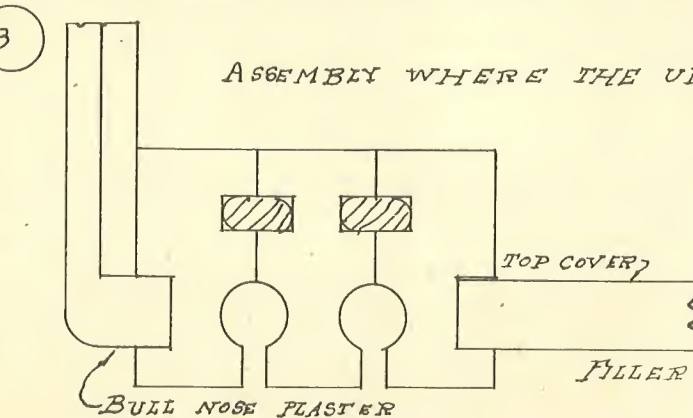


HEADER "A" FOR CABINETS  
ASSEMBLED FOR DOUBLE DOORS FOR WARDROBES, ETC.



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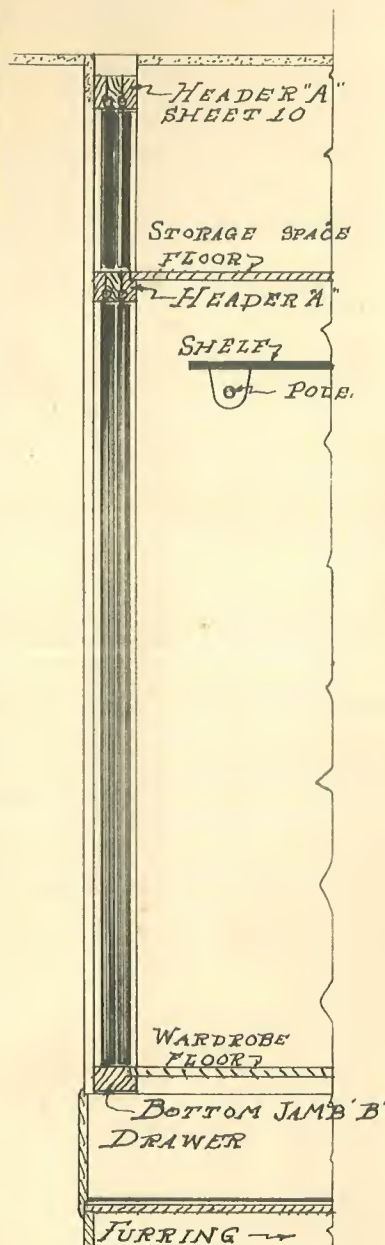
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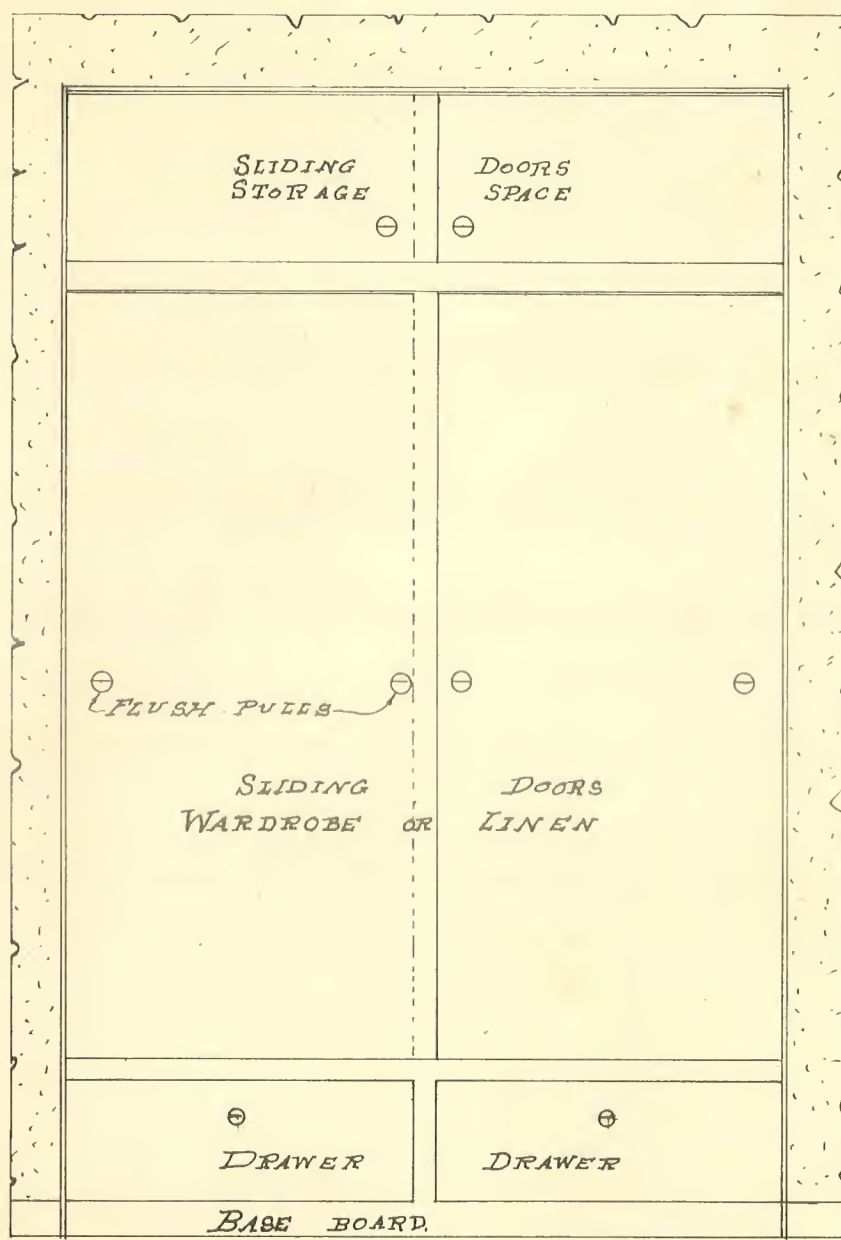
ASSEMBLY WHERE THE UPPER

SPACE IS VOID.

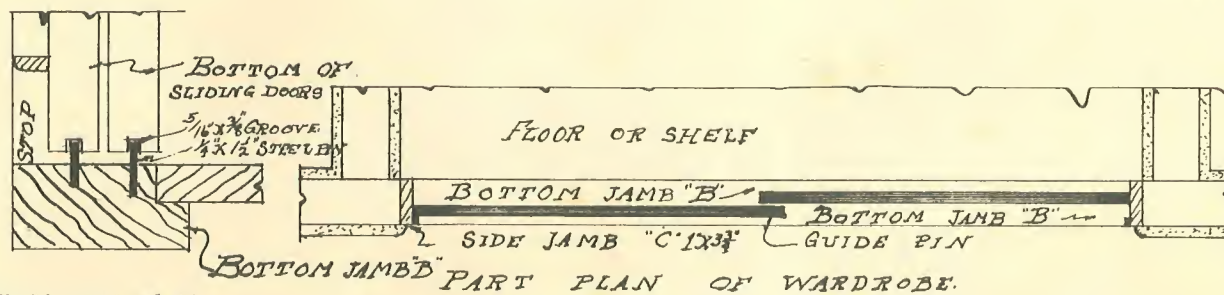
NOTE: VARIOUS DETAILS SHOWN ABOVE, ANY OF WHICH MAY BE USED  
THE DETAIL SHOWN IN PLATE "2" CAN BE USED IN MANY COMBINATIONS  
AS SHOWN IN PLATE "3" OF THIS SHEET.



SECTION



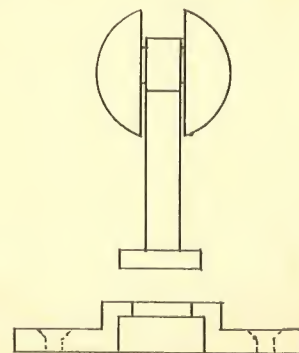
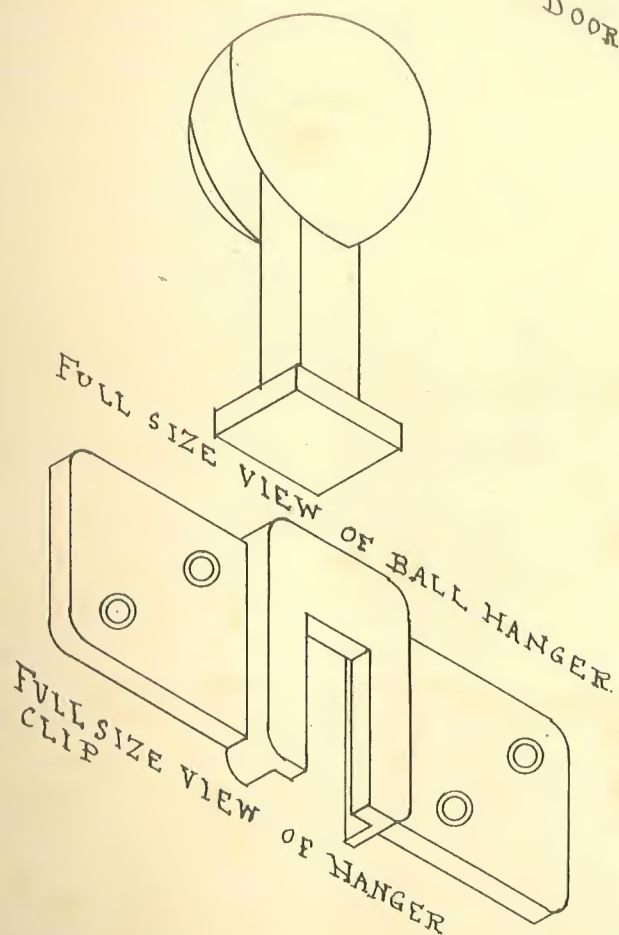
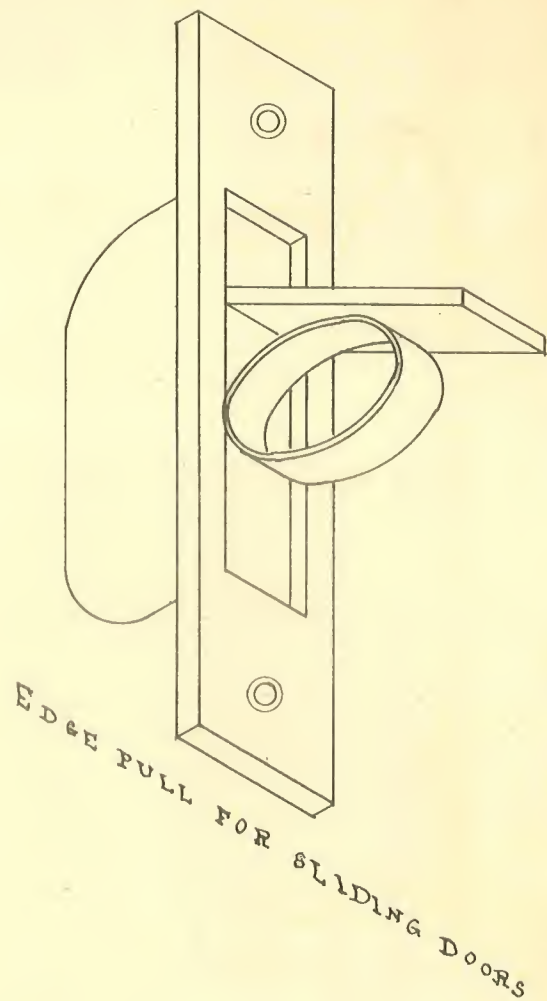
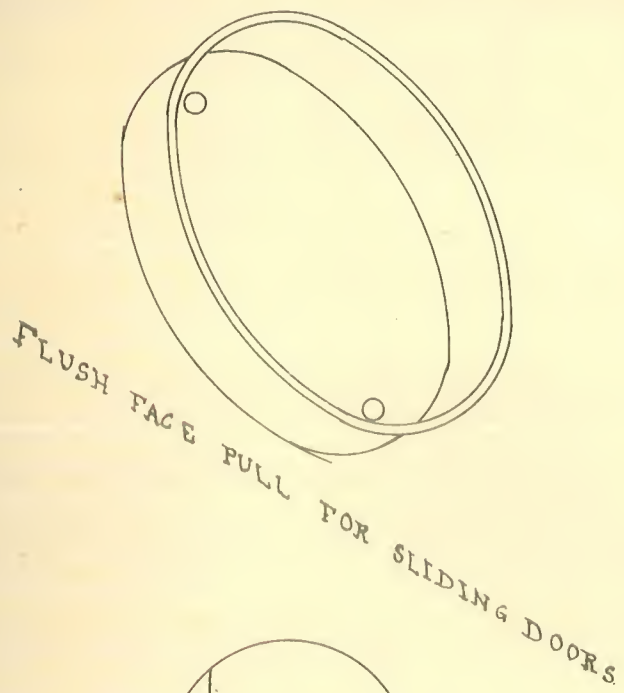
ELEVATION OF CABINET



SECTION AT  
BOTTOM JAMB "B"

PART PLAN OF WARDROBE.





FULL SIZE VIEW OF SMALL HANGER  
CLIP & BALL HANGER FOR CASE  
& CABINET DOORS

